

San Diego Regional
Water Quality Control Board
Orange County Municipal
Storm Water Permit

July 19, 2001

Introduction

Sections A - E

Findings, Prohibitions,

Legal Authority,

Technology Based Standards

Sections J - P

Dry Weather Monitoring



Permit Process Schedule

- Two staff workshops (July 19th - August 8th)
- Agenda of second workshop will be to focus on specific sections of the permit
- Close of Written Comments Period (August 30th)
- Public Hearing & Close of Verbal Comments Period (September Date to Be Announced)
- Response to Comments (September-October)
- Proposed Adoption (November 14, 2001)

Background

- Federal Program under Clean Water Act
- In place since 1990
- Order No. 2001-193 is a re-issuance of the previous second term permit
- Basic requirements of permit have been in place for 10 years
- New permit includes more detail

Municipal Permit

Main Permit Objectives

Reduce pollutants in urban runoff to Maximum Extent Practicable (MEP)

Ensure that urban runoff does not cause or contribute to impairment of receiving waters

Municipal Permit

To Meet Permit Objectives

- Best Management Practices (BMPs) must be implemented
 - Pollution prevention BMPs
 - Source control BMPs
 - Structural Treatment BMPs

Jurisdictional Urban Runoff Management Program (URMP)

- Principal section of the permit
- Describes the minimum actions required of Copermittees to address urban runoff
- Each Copermittee must develop and implement an URMP for its jurisdiction

Jurisdictional Urban Runoff Management Program (URMP)

- Addresses three phases of development
 - Planning (new development/redevelopment) phase (section F.1 - Eric Becker)
 - Construction phase (section F.2 - Chris Means)
 - Existing or “use” phase (sections F.3 to F.9 - Jeremy Haas)
- Based on Copermittees’ land-use authority

Other Jurisdictional URMP Requirements

- Illicit Discharge Detection and Elimination
- Education of Municipal Staff and Target Communities
- Address Common Interest Areas and Homeowners Associations
- Public Participation

Permit Watershed Requirements

- Develop and implement a Watershed Urban Runoff Management Plan (URMP)
 - Revise the proposed DAMP as appropriate to:
 - Identify, address, and mitigate the highest priority water quality problem(s) in the watershed
 - Develop strategy address problem(s)
 - Time schedule for implementation
 - Implement strategy
 - Monitor/Assess effectiveness

Permit Monitoring Requirements

- Objectives:
 - Assess compliance with the Permit and the chemical, physical, and biological impacts to receiving waters resulting from discharges of urban runoff.
- Review previous monitoring programs and propose a new Receiving Waters Monitoring Program.



Summary of the Permit

Dave Gibson



Sections A - E

Findings,

Prohibitions,

Legal Authority, and

Technology Based Standards

Findings

Pages 1 - 8

- 43 Findings in the Permit
- Findings support the directives of the Permit

Section A

Prohibitions - Discharges

Page 8

- Discharges into and from MS4s that cause or threaten to cause pollution or nuisance (CWC 13050) in waters of the State.
- Discharges that cause or threaten to cause exceedances of receiving water quality objectives.
- Discharges containing pollutants that are not reduced to the maximum extent practicable.
- Basin Plan prohibitions.

Section B

Prohibitions - Non Storm Water Discharges

Pages 8 - 9

- All discharges not entirely composed of storm water are prohibited.
- Specific exemptions identified in section B.2 and B.3.

Section C

Receiving Water Limitations

Page 10

- Discharges that cause or contribute to the violation of water quality standards are prohibited.
- Copermittees comply through timely implementation of BMPs in accordance with the Jurisdictional Urban Runoff Management Program.
- A procedure for addressing discharges that have been treated to the MEP, but are causing or contributing to exceedances.

Section D

Legal Authority

Pages 10 - 12

- Each Copermitttee shall establish, maintain, and enforce adequate legal authority to control discharges into and from its MS4.
- Specific minimum requirements listed.
- Each Copermitttee shall submit a statement certifying adequate legal authority within 365 days of adoption of the Permit.

Section E

Technology Based Standards

Page 12

- Each Copermitttee shall implement or require the implementation of BMPs at applicable technology based standards.



Summary of the Permit



Sections J - P

Watershed Urban Runoff Management Program,
Program Management, and
Principle Permittee Responsibilities

Sections J - M

Watershed Urban Runoff Management Program

Pages 42 - 44

- Review and Revise the proposed Damp as necessary to:
 - identify, address and mitigate the highest priority water quality issues/pollutants.
 - Within the six hydrologic units of the San Juan Watershed Management Area within Orange County.
- Builds on and enhances the Jurisdictional level programs

Watershed URMP Requirements

- Prepare accurate maps of the watersheds
- Assess water quality of all receiving waters
- Identify and prioritize major water quality problems
- Implementation schedule:
 - Short term and long term
- Include public participation

Watershed URMP Requirements

- Watershed-based education program
- Watershed-based land-use planning mechanism
- Short term and long term strategy to assess program effectiveness
- Submit and implement the Watershed URMP Document by April 13, 2003
- Submit Annual Report each January 31st

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Section N

Program Management

Page 46

- Copermittees shall implement the program management structure and commitments proposed in the DAMP.

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Section O

Principle Permittee Responsibilities

- Copermitees may select a Principle Permittee that shall:
 - Be responsible for implementing or coordinating Program Management activities of the proposed DAMP
 - Serve as liaison
 - Coordinate Permit activities among Copermitees

Principal Permittee Responsibilities

- Coordinate joint development by all Copermitees of standardized formats for all reports including electronic reporting.
- Integrate individual Copermittee Documents and Reports as described in O.5:

Section P

Receiving Waters Monitoring and Reporting Program

Page 48, Attachment B

- Specific requirements in Attachment B
- Principle Permittee submits the Receiving Waters Monitoring Program Document within 180 days that includes:
 - Previous Monitoring and Future Recommendations Technical Report
 - Receiving Waters Monitoring Program

Receiving Waters Monitoring Program

- Objectives:
 - Assess compliance with Permit
 - Measure the effectiveness of the URMPs
 - Assess the chemical, physical, and biological impacts to receiving waters resulting from discharges of urban runoff
 - Assess overall health and long term trends in receiving water quality



Receiving Waters Monitoring Program

- Requirements:
 - Review and revise the Orange County Water Quality Monitoring Program (99-04 Plan)
 - Be conducted annually on a watershed basis in each of the six hydrologic units
 - Describe how the Copermittees may collaborate with other organizations (e.g. SCCWRP)
 - Provides summary, interpretations, conclusions, and recommendations

Attachment E

Dry Weather Monitoring

- Required under section F.5 (pages 35-37)
- Implemented by each Copermittee under their Jurisdictional URMP
- Submit the Dry Weather Monitoring Program Document within 365 days.
 - MS4 Map
 - Dry Weather Monitoring stations and procedures.

Dry Weather Monitoring Program

- Inspection of MS4.
- Field Screening.
- Analytical Monitoring.
- Geographically Widespread.

Dry Weather Monitoring Program

- Perform at least twice annually during the dry season.
- Report in Jurisdictional URMP Annual Reports.
- The follow up investigation and elimination of sources shall be reported under section F.5.

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Break

Questions